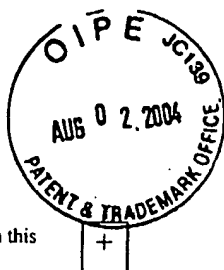


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Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Application Number	10/767,779
	Filing Date	01/28/04
	First Named Inventor	Leamon
	Group Art Unit	1632
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	21465-510

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date
SW	A1	4,683,195	07/28/87	Mullis et al.			02/07/86
	A2	4,683,202	07/28/87	Mullis			10/25/85
	A3	4,811,218	03/07/89	Hunkapiller et al.			06/02/86
	A4	4,822,746	04/18/89	Walt			06/25/86
	A5	4,863,849	09/05/89	Melamede			07/18/85
	A6	4,965,188	10/23/90	Mullis et al.			06/17/87
	A7	4,971,903	11/20/90	Hyman			03/25/88
	A8	5,114,984	05/19/92	Branch et al.			04/26/91
	A9	5,143,853	09/01/92	Walt			02/02/89
	A10	5,171,534	12/15/92	Smith et al.			10/15/90
	A11	5,244,636	09/14/93	Walt et al.			01/25/91
	A12	5,250,264	10/05/93	Walt et al.			12/21/92
	A13	5,252,494	10/12/93	Walt			03/30/92
	A14	5,254,477	10/19/93	Walt			09/19/91
	A15	5,298,741	03/29/94	Walt et al.			01/13/93
	A16	5,320,814	06/14/94	Walt et al.			11/25/92
	A17	5,405,746	04/11/95	Uhlen			09/22/93
	A18	5,429,807	07/04/95	Matson et al.			10/28/93
	A19	5,436,327	07/25/95	Southern et al.			09/21/89
	A20	5,445,934	08/29/95	Fodor et al.			09/30/92
	A21	5,445,971	08/29/95	Rohr			12/01/94
	A22	5,506,100	04/09/96	Surzycki et al.			06/01/93
	A23	5,508,169	04/16/96	Deugau et al.			10/28/94
	A24	5,512,490	04/30/96	Walt et al.			08/11/94
	A25	5,525,464	06/11/96	Drmanac and Crkvenjakov			02/28/94
	A26	5,534,424	07/09/96	Uhlen et al.			05/12/93
	A27	5,602,509	02/11/97	Kimura			06/08/95
	A28	5,604,097	02/18/97	Brenner			12/19/94
	A29	5,610,010	03/11/97	Surzycki et al.			10/11/91
	A30	5,633,972	05/27/97	Walt et al.			11/29/95
	A31	5,648,245	07/15/97	Fire et al.			05/09/95
	A32	5,700,637	12/23/97	Southern			04/19/94
	A33	5,714,320	02/03/98	Kool			02/23/95
↓	A34	5,716,785	02/10/98	Van Gelder et al.			04/19/96
	A35	5,728,524	03/17/98	Sibson			02/16/95
SW	A36	5,728,529	03/17/98	Metzker and Gibbs			11/06/95

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date
SW	A37	5,744,305	04/28/98	Fodor et al.			06/06/95
	A38	5,750,341	05/12/98	Macevicz			04/17/95
	A39	5,770,367	06/23/98	Southern et al.			08/01/94
	A40	5,780,231	07/14/98	Brenner			03/05/96
	A41	5,795,716	08/18/98	Chee et al.			10/21/94
	A42	5,800,992	09/01/98	Fodor et al.			06/25/96
	A43	5,814,524	09/29/98	Walt et al.			12/14/95
	A44	5,821,058	10/13/98	Smith et al.			12/21/94
	A45	5,830,662	12/03/98	Soares and Efstratiadis			
	A46	5,834,252	11/10/98	Stemmer and Lipshutz			04/18/95
	A47	5,846,721	12/08/98	Soares and Bonaldo			09/19/96
	A48	5,846,727	12/08/98	Soper et al.			05/29/97
	A49	5,851,772	12/22/98	Mirzabekov et al.			01/29/96
	A50	5,854,033	12/29/98	Lizardi			11/21/95
	A51	5,863,722	01/26/99	Brenner			06/07/95
	A52	5,871,697	02/16/99	Rothberg et al.			10/24/95
	A53	5,871,928	02/16/99	Fodor et al.			06/11/97
	A54	5,882,874	03/16/99	Fisher			02/27/98
	A55	5,891,636	04/06/99	Van Gelder et al.			09/03/97
	A56	5,919,673	07/06/99	Wong et al.			03/22/95
	A57	5,989,892	11/23/99	Nishimaki et al.			06/13/96
	A58	5,900,481	05/04/99	Lough et al.			11/06/96
	A59	5,928,905	07/27/99	Stemmer and Lipshutz			07/03/96
	A60	5,962,228	10/05/99	Brenner			08/22/97
	A61	6,013,445	01/11/00	Albrecht et al.			10/07/97
	A62	6,023,540	02/08/00	Walt et al.			03/14/97
	A63	6,040,193	03/21/00	Winkler et al.			08/04/98
	A64	6,054,270	04/25/00	Southern			09/09/97
	A65	6,080,585	06/27/00	Southern et al.			02/01/95
	A66	6,114,114	09/05/00	Selhamer et al.			07/29/94
	A67	6,133,436	10/17/00	Koster et al.			09/19/97
	A68	6,136,543	10/24/00	Anazawa et al.			01/31/97
	A69	6,146,593	11/14/00	Pinkel et al.			07/24/97
	A70	6,150,095	11/21/00	Southern et al.			04/09/96
	A71	6,184,012	02/06/01	Neri et al.			04/25/97
	A72	6,200,737	03/13/01	Walt et al.			08/24/95
	A73	6,210,891	04/03/01	Nyren et al.			09/26/97
	A74	6,210,896	04/03/01	Chan			08/13/99
	A75	6,210,910	04/03/01	Walt et al.			03/02/98
	A76	6,218,111	04/17/01	Southern et al.			12/10/97
	A77	6,221,653	04/24/01	Caren et al.			04/27/99
	A78	6,225,061	05/01/01	Becker et al.			03/10/99
	A79	6,255,476	07/03/01	Vinayak et al.			02/22/99
	A80	6,258,568	07/10/01	Nyren			12/22/97
	A81	6,263,286	07/17/01	Gilmanshin et al.			08/13/99
✓	A82	6,266,459	07/24/01	Walt et al.			11/29/99
	A83	6,306,597	10/23/01	Macevicz			03/29/99
SW	A84	6,307,039	10/23/01	Southern et al.			02/11/00

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date
SW	A85	6,333,155	12/25/01	Lockhart et al.			12/18/98
	A86	6,355,420	03/12/02	Chan			08/13/98
	A87	6,355,431	03/12/02	Chee et al.			03/30/00
	A88	6,468,748	10/22/02	Monforte et al.			02/29/00
	A89	6,489,103	12/03/02	Griffiths et al.			12/16/99
	A90	2001/0006630	07/05/01	Yacoby-Zeevi			03/02/99
	A91	2001/0041335	11/15/01	Goldberg et al.			02/06/01
	A92	2002/0009729	01/24/02	McGall et al.			02/08/01
	A93	2002/0022721	02/21/02	Trulson et al.			08/03/01
	A94	2002/0051971	05/02/02	Stuelpnagel et al.			05/21/99
SW	A95	2003/0108867	06/12/03	Chee et al.			02/25/00

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No	
SW	B1	EP 0 373 203	Isis Innovation Limited	August 31, 1994	X	
	B2	EP 0 619 321	Affymax Technologies N.V.	January 7, 1999	X	
	B3	WO 89/10977	Isis Innovation Limited	November 16, 1989	X	
	B4	WO 97/19193	Yale University	May 29, 1997	X	
	B5	WO 97/27326	University of California and the Medical Research Council	July 31, 1997	X	
	B6	WO 97/40141	Medical Research Council	October 30, 1997	X	
	B7	WO 97/41260	Genescope	November 6, 1997	X	
	B8	WO 98/08973	Cancer Research Campaign Tech. Ltd.	March 5, 1998	X	
	B9	WO 98/13523	Pyrosequencing AB	April 2, 1998	X	
	B10	WO 98/20019	Sequenom, Inc.	May 14, 1998	X	
	B11	WO 98/28440	Pyrosequencing AB	July 2, 1998	X	
	B12	WO 98/35012	Chan	August 13, 1998	X	
	B13	WO 98/44151	Glaxo Group Ltd.	10/08/98	X	
	B14	WO 98/44152	Glaxo Group Ltd.	10/08/98	X	
	B15	WO 98/50782	Trustees of Tufts College	11/12/98	X	
	B16	WO 98/53300	Lynx Therapeutics, Inc.	November 26, 1998	X	
	B17	WO 99/02671	Medical Research Council	January 21, 1999	X	
	B18	WO 99/05315	Medical Biosystems Ltd.	February 4, 1999	X	
	B19	WO 99/07896	CuraGen Corporation	02/18/99	X	
	B20	WO 99/15702	Life Technologies, Inc.	04/01/99	X	
	B21	WO 99/28494	Packard BioScience Company	06/10/99	X	
	B22	WO 99/30823	Packard BioScience B.V.	06/24/99	X	
	B23	WO 99/36576	Packard BioScience Company	07/22/99	X	
	B24	WO 99/53102	Packard BioScience Company	10/21/99	X	
	B25	WO 99/60007	Isis Innovation Limited	November 25, 1999	X	
	B26	WO 99/61662	Isis Innovation Limited	December 2, 1999	X	
	B27	WO 99/66313	Pyrosequencing AB	December 23, 1999	X	
	B28	WO 99/67641	Illumina, Inc.	December 29, 1999	X	
	B29	WO 00/06770	Solexa Ltd.	February 10, 2000	X	
	B30	WO 00/27521	Solexa Ltd.	May 18, 2000	X	
	B31	WO 00/39587	Illumina, Inc.	July 6, 2000	X	
	B32	WO 00/40712	Medical Research Council	July 13, 2000	X	
	B33	WO 00/43540	Pyrosequencing AB	July 27, 2000	X	
	B34	WO 00/44491	Illumina, Inc.	August 3, 2000	X	
	B35	WO 00/47996	Illumina, Inc.	August 17, 2000	X	
	B36	WO 00/48000	Illumina, Inc.	August 17, 2000	X	
	B37	WO 00/56455	Pyrosequencing AB	September 28, 2000	X	
	B38	WO 00/58507	Solexa Ltd.	October 5, 2000	X	
SW	B39	WO 00/60072	Medical Biosystems Ltd.	October 12, 2000	X	

FOREIGN PATENT DOCUMENTS						
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No	
SW	B40	WO 00/60114	Medical Biosystems Ltd.	October 12, 2000	X	
	B41	WO 00/63437	Illumina, Inc.	October 26, 2000	X	
	B42	WO 00/71243	Illumina, Inc.	November 30, 2000	X	
	B43	WO 00/71992	Illumina, Inc.	November 30, 2000	X	
	B44	WO 00/71995	Illumina, Inc.	November 30, 2000	X	
	B45	WO 00/75373	Illumina, Inc.	December 14, 2000	X	
	B46	WO 01/18244	Medical Research Council	March 15, 2001	X	
	B47	WO 01/18524	Illumina, Inc.	March 15, 2001	X	
	B48	WO 01/24937	Pyrosequencing AB	April 12, 2001	X	
	B49	WO 01/25480	Medical Biosystems Ltd.	April 12, 2001	X	
	B50	WO 01/42496	Pyrosequencing AB	June 14, 2001	X	
	B51	WO 01/46675	Illumina, Inc.	June 28, 2001	X	
	B52	WO 01/57268	Illumina, Inc.	August 9, 2001	X	
	B53	WO 01/57269	Illumina, Inc.	August 9, 2001	X	
	B54	WO 01/59432	Illumina, Inc.	August 16, 2001	X	
	B55	WO 01/61043	Illumina, Inc.	August 23, 2001	X	
	B56	WO 01/85341	Pyrosequencing AB	November 15, 2001	X	
	B57	WO 02/00336	Illumina, Inc.	January 3, 2002	X	
	B58	WO 02/12897	Illumina, Inc.	February 14, 2002	X	
	B59	WO 02/16649	Illumina, Inc.	February 28, 2002	X	
	B60	WO 02/20836	Pyrosequencing AB	March 14, 2002	X	
	B61	WO 02/20837	Pyrosequencing AB	March 14, 2002	X	
	B62	WO 02/21128	Illumina, Inc.	March 14, 2002	X	
	B63	WO 02/22869	Medical Research Council	March 21, 2002	X	
	B64	WO 02/103363	Medical Research Council	December 27, 2002	X	
SW	B65	WO 03/044187	Medical Research Council	May 30, 2003	X	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
SW	C1	Baner et al. (1998). <i>Nuc. Acids Res.</i> 26 : 5073-5078.
	C2	Bankier et al. (1987). <i>Methods in Enzymol.</i> 155 : 51-93.
	C3	Barshop et al. (1991). <i>Anal. Biochem.</i> 197 : 266-272.
	C4	Bauer, Johann (1999). <i>J. Chromatography</i> 722 : 55-69.
	C5	Brandis et al. (1996). <i>Biochem.</i> 35 : 2189-2200.
	C6	Brody & Quake (1999). <i>Applied Physics Letters</i> 74 : 144-146.
	C7	Bronk et al. (1995). <i>Anal. Chem.</i> 67 : 2750-2757.
	C8	Burns et al. (1996). <i>Proc. Natl. Acad. Sci. USA</i> 93 : 5556-5561.
	C9	Burns et al. (1998). <i>Science</i> 282 : 484-487.
	C10	Chan and Nie (1998). <i>Science</i> 281 : 2016-2018.
	C11	Chee et al. (1996). <i>Science</i> 274 : 610-614.
	C12	Chlou et al. (2001). <i>Anal. Chem.</i> 73 : 2018-2021.
	C13	Chiu and Christopoulos (1996). <i>Anal. Chem.</i> 68 : 2304-2308.
	C14	Connell et al. (1998). <i>Plant Mol. Biol. Rptr.</i> 16 : 341-349.
	C15	Costa and Weiner (1994). <i>Nucl. Acids Res.</i> 22 : 2423.
	C16	Costa and Weiner (1994). <i>PCR Methods and Appls.</i> 3 : S95-S106.
	C17	Costa et al. (1994). <i>PCR Methods and Appls.</i> 3 : 338-345.
	C18	Curcio and Roeraade (2003). <i>Anal. Chem.</i> 75 : 1-7.
	C19	Daubendiek and Kool (1997). <i>Nature Biotechnol.</i> 15 : 273-277.
	C20	Dickson et al. (1996). <i>Science</i> 274 : 966-968.
SW	C21	Dickson et al. (1997). <i>Nature</i> 388 : 355-358.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
SW	C22	Dressman et al. (2003). <i>PNAS</i> <u>100</u> : 8817-8822.
	C23	Ferguson et al. (1996). <i>Nature Biotechnol.</i> <u>14</u> : 1681-1684.
	C24	Fire and Xu (1995). <i>Proc. Natl. Acad. Sci. USA</i> <u>92</u> : 4641-4645.
	C25	Ghadessy et al. (2001). <i>PNAS</i> <u>99</u> : 4552-4557.
	C26	Giordano et al. (2001). <i>Anal. Biochem.</i> <u>291</u> : 124-132.
	C27	Griffiths & Tawfik (2003). <i>EMBO J.</i> <u>22</u> : 24-35.
	C28	Ha et al. (1996). <i>Proc. Natl. Acad. Sci. USA</i> <u>93</u> : 6264-6268.
	C29	Hacia, Joseph (1999). <i>Nature Genetics Suppl.</i> <u>21</u> : 42-47.
	C30	Hamilton et al. (2001). <i>BioTechniques</i> <u>31</u> : 370-383.
	C31	Hatch et al. (1999). <i>Genetic Analysis: Biomolecular Engineering</i> <u>15</u> : 35-40.
	C32	Healey and Walt (1997). <i>Anal. Chem.</i> <u>69</u> : 2213-2216.
	C33	Healey et al. (1995). <i>Science</i> <u>269</u> : 1078-1080.
	C34	Hengsakul and Cass (1996). <i>Bioconjugate Chem.</i> <u>7</u> : 249-254.
	C35	Hoheisel, Jorg (1997). <i>Trends in BioTechnol.</i> <u>15</u> : 465-469.
	C36	Huhmer and Landers (2000). <i>Anal. Chem.</i> <u>72</u> : 5507-5512.
	C37	Hyman, Edward (1988). <i>Anal. Biochem.</i> <u>174</u> : 423-436.
	C38	Ishijima et al. (1998). <i>Cell</i> <u>92</u> : 161-171.
	C39	Ito et al. (1994). <i>FEBS Letters</i> <u>351</u> : 231-236.
	C40	Izawa et al. (1998). <i>J. Biol. Chem.</i> <u>273</u> : 14242-14246.
	C41	Kalinina et al. (1997). <i>Nucl. Acids Res.</i> <u>25</u> : 1999-2004.
	C42	Karamohamed et al. (1999). <i>Protein Expression and Purification</i> <u>15</u> : 381-388.
	C43	Karamohamed and Nyren (1999). <i>Anal. Biochem.</i> <u>271</u> : 81-85.
	C44	Keller et al. (1996). <i>Applied Spectroscopy</i> <u>50</u> : 12A-32A.
	C45	Kievits et al. (1991). <i>J. Virological Methods</i> <u>35</u> : 273-286.
	C46	Kopp et al. (1998). <i>Science</i> <u>280</u> : 1046-1048.
	C47	Kricka, Larry (1998). <i>Clinical Chem.</i> <u>44</u> : 2008-2014.
	C48	Lagally et al. (2001). <i>Anal. Chem.</i> <u>73</u> : 565-570.
	C49	Lander (1996). <i>Science</i> <u>274</u> : 536-539.
	C50	Liu et al. (1996). <i>J. Am. Chem. Soc.</i> <u>118</u> : 1587-1594.
	C51	Lizardi et al. (1998). <i>Nature Genetics</i> <u>19</u> : 225-232.
	C52	Melgar and Goldthwait (1968). <i>J. Biol. Chem.</i> <u>243</u> : 4409-4416.
	C53	Metzker et al. (1998). <i>BioTechniques</i> <u>25</u> : 814-817.
	C54	Metzker et al. (1998). <i>BioTechniques</i> <u>25</u> : 446-462.
	C55	Michael et al. (1998). <i>Anal. Chem.</i> <u>70</u> : 1242-1248.
	C56	Mitra and Church (1999). <i>Nuc. Acids Res.</i> <u>27</u> (e34): i-vi.
	C57	Mooney et al. (1996). <i>Proc. Natl. Acad. Sci. USA</i> <u>93</u> : 12287-12291.
	C58	Munkholm and Walt (1986). <i>Anal. Chem.</i> <u>58</u> : 1427-1430.
	C59	Nagai et al. (2001). <i>Anal. Chem.</i> <u>73</u> : 1043-1047.
	C60	Nagai et al. (2001). <i>Biosensors & Bioelectronics</i> <u>16</u> : 1015-1019.
	C61	Narang et al. (1997). <i>Biosensors & Bioelectronics</i> <u>12</u> : 937-945.
	C62	Nie et al. (1994). <i>Science</i> <u>266</u> : 1018-1021.
✓	C63	Nie and Zare (1997). <i>Annu. Rev. Biophys. Biomol. Struct.</i> <u>26</u> : 567-596.
	C64	Nilsson et al. (1997). <i>Nature Genetics</i> <u>16</u> : 252-255.
SW	C65	Nilsson et al. (1994). <i>Science</i> <u>265</u> : 2085-2088.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
SW	C66	Nyren, Pal (1994). <i>J. Biolumin. Chemilumin</i> 9: 29-34.
	C67	Nyren et al. (1997). <i>Anal. Biochem.</i> 244: 367-373.
	C68	Nyren et al. (1993). <i>Anal. Biochem.</i> 208: 171-175.
	C69	Nyren, Pal (1987). <i>Anal. Biochem.</i> 167: 235-238.
	C70	Oda et al. (1998). <i>Anal. Chem.</i> 70: 4361-4368.
	C71	Oker-Blom et al. (1993). <i>BioTechniques</i> 14: 800-809.
	C72	Pantano and Walt (1996). <i>Chem. Mater.</i> 8: 2832-2835.
	C73	Parthasarathy and Martin (1994). <i>Nature</i> 369: 298-301.
	C74	Pierce et al. (1997). <i>Nature</i> 388: 338.
	C75	Pirung and Huang (1996). <i>Bioconjugate Chem.</i> 7: 317-321.
	C76	Rawlinson et al. (1996). <i>J. Virology</i> 70: 8833-8849.
	C77	Ribeiro et al. (1998). <i>J. Biolumin Chemilumin</i> 13: 371-378.
	C78	Ronaghi et al. (1996). <i>Anal. Biochem.</i> 242: 84-89.
	C79	Ronaghi et al. (1998). <i>Science</i> 281: 363-365.
	C80	Ronaghi et al. (1999). <i>Anal. Biochem.</i> 267: 65-71.
	C81	Sasaki et al. (1997). <i>DNA Res.</i> 4: 387-391.
	C82	Schneegaß et al. (2001). <i>Royal Soc. Chem.-Lab on a Chip</i> 1: 42-49.
	C83	Sepp et al. (2002). <i>FEBS Letters</i> 532: 455-458.
	C84	Service, Robert (1998). <i>Science</i> 282: 396-401.
	C85	Tawfik & Griffiths (1998). <i>Nat Biotechnol</i> 16: 652-656.
	C86	Venter et al. <i>Science</i> 280: 1540-1542.
	C87	Walker et al. (1992). <i>Nuc. Acids Res.</i> 20: 1691-1696.
	C88	Walker et al. (1992). <i>Proc. Natl. Acad. Sci. USA</i> 89: 392-396.
	C89	Wang et al. (1997). <i>Anal. Biochem.</i> 246: 133-139.
	C90	Wang et al. (1998). <i>Science</i> 280: 1077-1082.
	C91	Wang et al. (1998). <i>Science</i> 282: 902-907.
	C92	Weisiger, Richard, "Impact of Extracellular Diffusion on Hepatic Uptake Kinetics", 1998, pgs. 389-423.
✓	C93	Wooster et al. (1994). <i>Science</i> 265: 2088-2090.
	C94	Xie and Lu (1999). <i>J. Biol. Chem.</i> 274: 15967-15970.
SW	C95	Yin et al. (1995). <i>Science</i> 270: 1653-1657.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature	/Samuel Woolwine/	Date Considered	9 November 2006
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.